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RAW SEQUENCE LISTING

DATE: 12/26/2001

PATENT APPLICATION: US/09/880,727

TIME: 16:21:07

Input Set : N:\Cr3\RULE60\09880727.txt

Output Set: N:\CRF3\12262001\I880727.raw

SEQUENCE LISTING

1 (1) GENERAL INFORMATION:

2 (i) APPLICANT: Lockhart, David J.
3 Chee, Mark
4 Gunderson, Kevin
5 Chaoqiang, Lai
6 Wodicka, Lisa
7 Cronin, Maureen T.
8 Lee, Danny
9 Tran, Huu M.
10 Matsuzaki, Hajime
11 McGall, Glenn H.

ENTERED

12 (ii) TITLE OF INVENTION: NUCLEIC ACID ANALYSIS TECHNIQUES

13 (iii) NUMBER OF SEQUENCES: 32

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: Joe Liebeschuetz
16 (B) STREET: Two Embarcadero Center, Eighth Floor
17 (C) CITY: San Francisco
18 (D) STATE: CA
19 (E) COUNTRY: USA
20 (F) ZIP: 94111-3834

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk
23 (B) COMPUTER: IBM PC compatible
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

26 (vi) CURRENT APPLICATION DATA:

C--> 27 (A) APPLICATION NUMBER: US/09/880,727
C--> 28 (B) FILING DATE: 13-Jun-2001
29 (C) CLASSIFICATION:

31 (vii) PRIOR APPLICATION DATA:

32 (A) APPLICATION NUMBER: 08/882,649
33 (B) FILING DATE:
34 (A) APPLICATION NUMBER: US 60/035,170
35 (B) FILING DATE: 09-JAN-1997
36 (A) APPLICATION NUMBER: PCT/US97/01603
37 (B) FILING DATE: 22-JAN-1997

38 (viii) ATTORNEY/AGENT INFORMATION:

39 (A) NAME: Liebeschuetz, Joe
40 (B) REGISTRATION NUMBER: 37,505
41 (C) REFERENCE/DOCKET NUMBER: 018547-019410US

42 (ix) TELECOMMUNICATION INFORMATION:

43 (A) TELEPHONE: (415) 576-0200
44 (B) TELEFAX: (415) 576-0300

45 (2) INFORMATION FOR SEQ ID NO: 1:

46 (i) SEQUENCE CHARACTERISTICS:

47 (A) LENGTH: 20 base pairs

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48      (B) TYPE: nucleic acid
49      (C) STRANDEDNESS: single
50      (D) TOPOLOGY: linear
51      (ii) MOLECULE TYPE: DNA (genomic)
52      (iii) HYPOTHETICAL: YES
53      (ix) Features:
54      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
55      AGCTTTTTCATGCATCTAT
56
57 (2) INFORMATION FOR SEQ ID NO: 2:
58      (i) SEQUENCE CHARACTERISTICS:
59          (A) LENGTH: 20 base pairs
60          (B) TYPE: nucleic acid
61          (C) STRANDEDNESS: single
62          (D) TOPOLOGY: linear
63      (ii) MOLECULE TYPE: DNA (genomic)
64      (iii) HYPOTHETICAL: YES
65      (ix) Features:
66      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
67      AAGCGCGATC GATTATGCTC
68
69 (2) INFORMATION FOR SEQ ID NO: 3:
70      (i) SEQUENCE CHARACTERISTICS:
71          (A) LENGTH: 43 base pairs
72          (B) TYPE: nucleic acid
73          (C) STRANDEDNESS: single
74          (D) TOPOLOGY: linear
75      (ii) MOLECULE TYPE: DNA (genomic)
76      (iii) HYPOTHETICAL: YES
77      (ix) Features:
78      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
79      ATCTCGGATC GATCGGATAA GCGCGATCGA TTATGCTCGG CGA
80
81 (2) INFORMATION FOR SEQ ID NO: 4:
82      (i) SEQUENCE CHARACTERISTICS:
83          (A) LENGTH: 12 base pairs
84          (B) TYPE: nucleic acid
85          (C) STRANDEDNESS: single
86          (D) TOPOLOGY: linear
87      (ii) MOLECULE TYPE: DNA (genomic)
88      (iii) HYPOTHETICAL: YES
89      (ix) Features:
90      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
91      NVANVGNVN VT
92
93 (2) INFORMATION FOR SEQ ID NO: 5:
94      (i) SEQUENCE CHARACTERISTICS:
95          (A) LENGTH: 29 base pairs
96          (B) TYPE: nucleic acid
97          (C) STRANDEDNESS: single
98          (D) TOPOLOGY: linear
99      (ii) MOLECULE TYPE: DNA (genomic)
100     (iii) HYPOTHETICAL: YES

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RAW SEQUENCE LISTING

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101             (ix) Features:
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
103     GAATTGTAAT ACGACTCACT ATAGGGAGG
105 (2) INFORMATION FOR SEQ ID NO: 6:
106     (i) SEQUENCE CHARACTERISTICS:
107         (A) LENGTH: 29 base pairs
108         (B) TYPE: nucleic acid
109         (C) STRANDEDNESS: single
110         (D) TOPOLOGY: linear
111     (ii) MOLECULE TYPE: DNA (genomic)
112     (iii) HYPOTHETICAL: YES
113             (ix) Features:
114 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
115     AGATGCAATT AACCCCTCACT AAAGGGAGA
117 (2) INFORMATION FOR SEQ ID NO: 7:
118     (i) SEQUENCE CHARACTERISTICS:
119         (A) LENGTH: 15 base pairs
120         (B) TYPE: nucleic acid
121         (C) STRANDEDNESS: single
122         (D) TOPOLOGY: linear
123     (ii) MOLECULE TYPE: DNA (genomic)
124     (iii) HYPOTHETICAL: YES
125             (ix) Features:
126 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
127     CVAAAAAAAAA AAAAA
129 (2) INFORMATION FOR SEQ ID NO: 8:
130     (i) SEQUENCE CHARACTERISTICS:
131         (A) LENGTH: 16 base pairs
132         (B) TYPE: nucleic acid
133         (C) STRANDEDNESS: single
134         (D) TOPOLOGY: linear
135     (ii) MOLECULE TYPE: DNA (genomic)
136     (iii) HYPOTHETICAL: YES
137             (ix) Features:
138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
139     GVTTTTTTTTT TTTTTT
141 (2) INFORMATION FOR SEQ ID NO: 9:
142     (i) SEQUENCE CHARACTERISTICS:
143         (A) LENGTH: 14 base pairs
144         (B) TYPE: nucleic acid
145         (C) STRANDEDNESS: single
146         (D) TOPOLOGY: linear
147     (ii) MOLECULE TYPE: DNA (genomic)
148     (iii) HYPOTHETICAL: YES
149             (ix) Features:
150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
151     AAAATAAAAT AAAA
153 (2) INFORMATION FOR SEQ ID NO: 10:
154     (i) SEQUENCE CHARACTERISTICS:

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Input Set: N:\Crif3\RULE60\09880727.txt
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155      (A) LENGTH: 30 base pairs
156      (B) TYPE: nucleic acid
157      (C) STRANDEDNESS: single
158      (D) TOPOLOGY: linear
159      (ii) MOLECULE TYPE: DNA (genomic)
160      (iii) HYPOTHETICAL: YES
161          (ix) Features:
162      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
163      AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA
165 (2) INFORMATION FOR SEQ ID NO: 11:
166      (i) SEQUENCE CHARACTERISTICS:
167          (A) LENGTH: 11 base pairs
168          (B) TYPE: nucleic acid
169          (C) STRANDEDNESS: single
170          (D) TOPOLOGY: linear
171      (ii) MOLECULE TYPE: DNA (genomic)
172      (iii) HYPOTHETICAL: YES
173          (ix) Features:
174      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
175      AAAAAAAAAA A
177 (2) INFORMATION FOR SEQ ID NO: 12:
178      (i) SEQUENCE CHARACTERISTICS:
179          (A) LENGTH: 21 base pairs
180          (B) TYPE: nucleic acid
181          (C) STRANDEDNESS: single
182          (D) TOPOLOGY: linear
183      (ii) MOLECULE TYPE: DNA (genomic)
184      (iii) HYPOTHETICAL: YES
185          (ix) Features:
186      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
187      TGACATAGGA CAGCGAAGGG A
189 (2) INFORMATION FOR SEQ ID NO: 13:
190      (i) SEQUENCE CHARACTERISTICS:
191          (A) LENGTH: 30 base pairs
192          (B) TYPE: nucleic acid
193          (C) STRANDEDNESS: single
194          (D) TOPOLOGY: linear
195      (ii) MOLECULE TYPE: DNA (genomic)
196      (iii) HYPOTHETICAL: YES
197          (ix) Features:
198      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
199      ACTGTATCCT TTAGCTTCCC TCAGATCACT
201 (2) INFORMATION FOR SEQ ID NO: 14:
202      (i) SEQUENCE CHARACTERISTICS:
203          (A) LENGTH: 30 base pairs
204          (B) TYPE: nucleic acid
205          (C) STRANDEDNESS: single
206          (D) TOPOLOGY: linear
207      (ii) MOLECULE TYPE: DNA (genomic)

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/880,727

DATE: 12/26/2001
 TIME: 16:21:08

Input Set : N:\Crif3\RULE60\09880727.txt
 Output Set: N:\CRF3\12262001\I880727.raw

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208 (iii) HYPOTHETICAL: YES
209 (ix) Features:
210 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14: 30
211 ACTGTATCCT TTAACCTCCC TCAGATCACT
213 (2) INFORMATION FOR SEQ ID NO: 15:
214 (i) SEQUENCE CHARACTERISTICS:
215 (A) LENGTH: 30 base pairs
216 (B) TYPE: nucleic acid
217 (C) STRANDEDNESS: single
218 (D) TOPOLOGY: linear
219 (ii) MOLECULE TYPE: DNA (genomic)
220 (iii) HYPOTHETICAL: YES
221 (ix) Features:
222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15: 30
223 ATTAGAAGAA ATGAATTTGC CAGGAAGATG
225 (2) INFORMATION FOR SEQ ID NO: 16:
226 (i) SEQUENCE CHARACTERISTICS:
227 (A) LENGTH: 30 base pairs
228 (B) TYPE: nucleic acid
229 (C) STRANDEDNESS: single
230 (D) TOPOLOGY: linear
231 (ii) MOLECULE TYPE: DNA (genomic)
232 (iii) HYPOTHETICAL: YES
233 (ix) Features:
234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16: 30
235 ATTAGAAGAA ATGAGTTTGC CAGGAAGATG
237 (2) INFORMATION FOR SEQ ID NO: 17:
238 (i) SEQUENCE CHARACTERISTICS:
239 (A) LENGTH: 30 base pairs
240 (B) TYPE: nucleic acid
241 (C) STRANDEDNESS: single
242 (D) TOPOLOGY: linear
243 (ii) MOLECULE TYPE: DNA (genomic)
244 (iii) HYPOTHETICAL: YES
245 (ix) Features:
246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17: 30
247 AGTATGATCA GATACCCATA GAAATCTGTG
249 (2) INFORMATION FOR SEQ ID NO: 18:
250 (i) SEQUENCE CHARACTERISTICS:
251 (A) LENGTH: 30 base pairs
252 (B) TYPE: nucleic acid
253 (C) STRANDEDNESS: single
254 (D) TOPOLOGY: linear
255 (ii) MOLECULE TYPE: DNA (genomic)
256 (iii) HYPOTHETICAL: YES
257 (ix) Features:
258 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18: 30
259 AGTATGATCA GATACTCATA GAAATCTGTG
261 (2) INFORMATION FOR SEQ ID NO: 19:

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/880,727

DATE: 12/26/2001

TIME: 16:21:09

Input Set : N:\Crf3\RULE60\09880727.txt

Output Set: N:\CRF3\12262001\I880727.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]